

REMARKS

Figure 8C was included with filing of the Patent Application, as indicated in the specification. However, the figure corresponding to **Figure 8C** was originally mislabeled as **Figure 8B**. Please find attached the amended figures in which **Figures 8, 8A and 8B**, have been re-labeled as **Figures 8A, 8B and 8C**, consistent with the specification.

No additional fee is believed to be required; however, in the event any additional fees are required, please charge IBM Corporation Deposit Account No.09-0447. No extension of time is believed to be necessary. However, in the event an extension of time is required, that extension of time is hereby requested. Please charge any fee associated with an extension of time to IBM Corporation Deposit Account No.09-0447.

Respectfully submitted,



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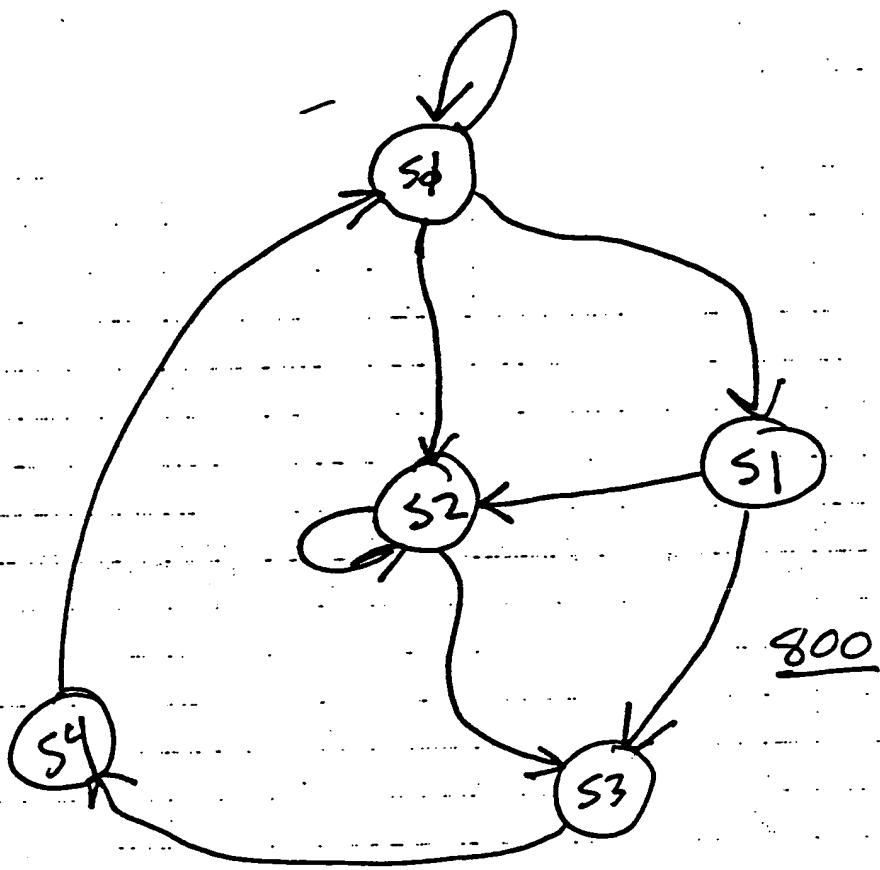


FIG. 8 A (Amendment)
(Prior Art)

entity fsm; fsm

850

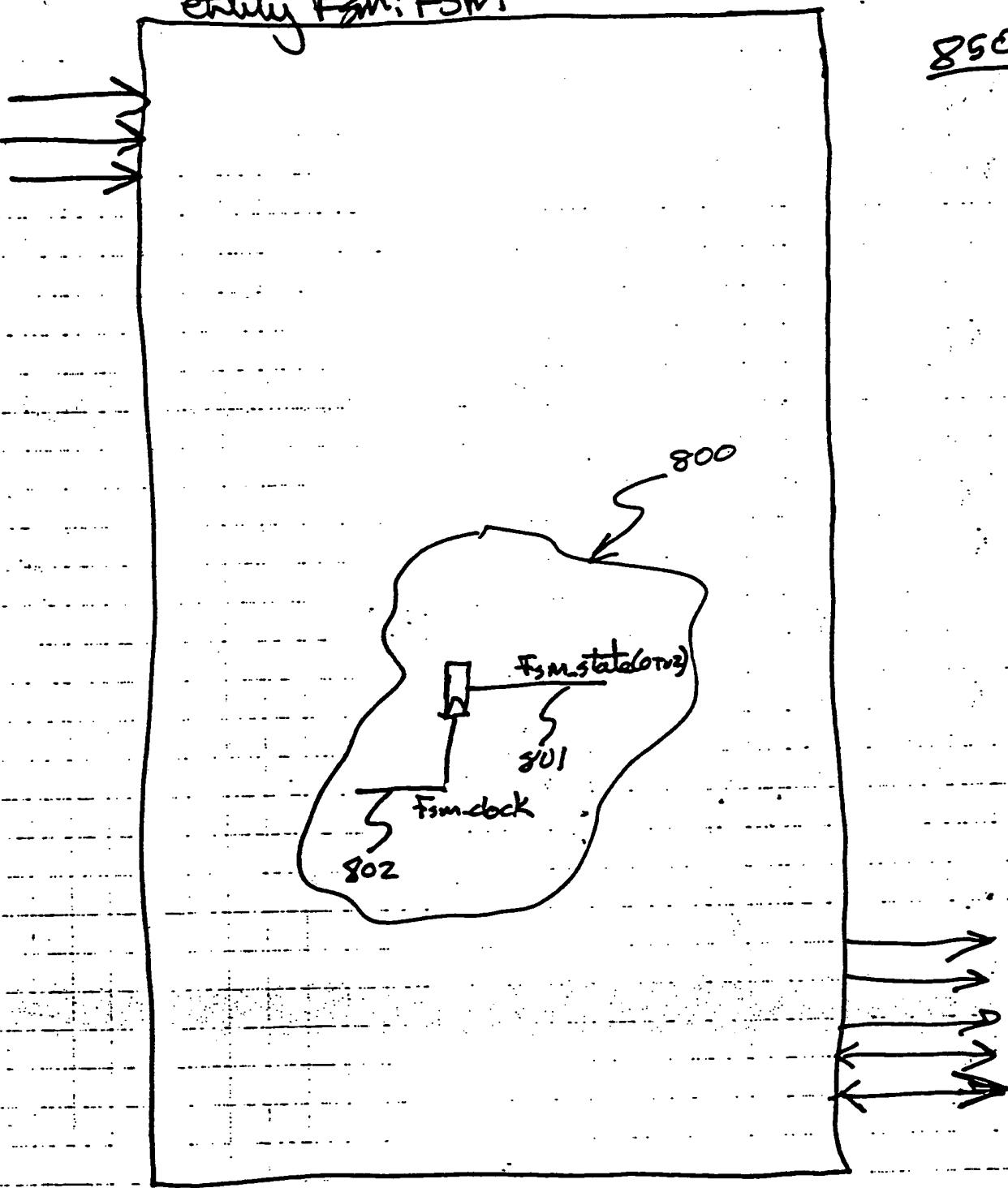


FIG. 8B (Amended)
(Prior Art)

entity FGM Ig

PORT (

.... ports for entity from....

ji

Architecture fsm of fsm IS

BEGUN

.... HDL code for Fsm and rest of the entity.

fsm-state(0 to 2) <-- ... signal 801 ...

853 859 854 855 856 857

```
--!! Embedded Fsm : examplefsm;
--!! clock          : (fsm_clock);
--!! state_vector   : (Fsm-state(0to2));
--!! states        : (s0,s1,s2,s3,s4);
--!! state_encoding : ('000', '001', '010', '011', '100');
--!! arcs           : (s0=>s0, s0=>s1, s0=>s2,
--!!                   s1=>s2, s1=>s3, s2=>s2,
--!!                   s2=>s3, s3=>s4, s4=>s0);
```

458445 - ? end Fsmj

END;

FIG. 8C (Amended)